

Education

CUNY HUNTER COLLEGE | SEP 2021-MAY 2025

BACHELOR OF COMPUTER SCIENCE AND BACHELOR OF MATHEMATICS

Experience

SOFTWARE ENGINEER INTERN | SALESFORCE | JUNE 2024 – AUG 2024

- Developed and presented a monitoring and alerting system to keep track of error logs and metrics associated with the team's product to increase customer trust and improve overall functionality.
- Utilized SPIKE research method to gain insights into the problem based around the given project and potential solutions for it.
- Worked at Salesforce tower alongside automation engineering team.
- Integrated custom error logging and metrics on the backend where needed or missing.

FULLSTACK SOFTWARE ENGINEER INTERN | SALESFORCE | JUNE 2023 – AUG 2023

- Worked at Salesforce tower to learn HTML, CSS, JavaScript, APIs, Node/Express, React, PostgreSQL, and Render.
- Developed and perfected a capstone project alongside group members that showcased the frameworks and skills developed throughout the program and presented on the final day.
- Introductions to platforms and frameworks that include AWS, Trello, and Machine Learning.
- Developed soft skills and collaboration from: a professional and experienced software engineer mentor from Salesforce, Code Path instructors and teaching assistants, and fellow peers.

DATA SCIENCE FELLOWSHIP | AMERICA ON TECH | OCT 2022 – DEC 2023

- Participated in weekly technology classes and received 160 hours of coding training utilizing Python, Anaconda, and Jupyter Notebooks.
- Paired with technology mentors and professionals that focused on college and career readiness skills as well as trained using Accenture modules in Cloud, DevOps, and Cyber Security.
- Completed and presented a group project on a portfolio of deliverables plus a project prototype using Python and Jupyter Notebooks, and data visualization and optimization.

DIGITAL MORTGAGE INTERN | BETTER MORTGAGE | SEP 2021 – DEC 2022

- Spearheaded a project with the Fulfillment Operations team to analyze large data structures regarding defaulted home loans and output them into a readable format.
- Collaborate cross-functionally with multiple teams to build my communication skills and act as the liaison for shared information.
- Experience with troubleshooting complex issues related to loan fulfillment to provide a speedy resolution.

TECH FLEX FELLOWSHIP | AMERICA ON TECH | SEP 2020 –MAY 2021

- Participated in weekly technology classes and received 160 hours of coding training utilizing HTML, CSS, JavaScript, Repl.it, and Bootstrap.
- Paired with technology mentors and professionals that focused on college and career readiness skills.

Projects

AUTOMATERA | MACHINE LEARNING BASESD WEB APP | JUL 2023 – AUG 2023

- Developed using PERN Stack, AWS, JavaScript and Python Machine Learning Models.
- Allows users to upload their resumes and get back specific grammar mistakes via Grammarly API.
- Two machine learning models are used on a user's resume to give back stronger word choices to strengthen their resume as well as determine what jobs their resume would be best fit.

SOCIAL MEDIA PROJECT | C++ BASED APPLICATION | SEP 2022 – DEC 2022

- Users can create an account with a username and password and create and upload posts that will be displayed with a timestamp.
- Uploaded posts can be deleted or updated and timestamps with update accordingly.
- Posts can also be liked, and accounts can follow other accounts.
- System implemented using stacks to determine which posts have the most likes.

Digital Professional Presence

LinkedIn: www.linkedin.com/in/michaelshiwbaran2003

Personal Portfolio: <https://michaelshiwbaran.github.io/Personal-Portfolio/>

Key Skills

- Attention to detail
- Organization
- Team Player
- Time Management
- Adaptability & Flexibility

Technical Skills

- Salesforce
- C++
- UNIX shell commands
- Python
- PERN Stack
- Object Oriented Programming
- Machine Learning
- AWS
- Trello
- Data Analysis
- Bootstrap
- I.T Management
- Microsoft and Google Suite

